



Please type a plus (+) sign in this box →

+

Substitute for form 1449

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Attorney D c k t Number 71535

First Named Inventor Tustin et al.

COMPLETE IF KNOWN

Application Number 10/650,510

Filing Date August 28, 2003

Group Art Unit 1755

Examiner Name Hailer

Sheet

1

of

3

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code ² (if known)		
RHA		3,158,583		Corte et al	11-24-1964
		3,689,533		Schultz	09-05-1972
		3,909,449		Nagai et al.	09-30-1975
		4,040,990		Neely	08-09-1977
		4,045,368		Katori et al.	08-30-1977
		4,063,912		Neely et al.	12-20-1977
		4,206,078		Ohorodnik et al.	06-03-1980
		4,267,055		Neely	05-12-1981
		4,379,940		Dickerson	04-12-1983
		4,474,895		Fouletier	10-02-1984
		4,839,331		Maroldo et al.	06-13-1989
		5,037,791		Comolli et al.	08-06-1991
		5,488,143		Uhm et al.	01-30-1996
		5,569,635		Moy et al.	10-29-1996
		5,900,505		Tustin et al.	05-04-1999
RHA		5,972,525		Mori et al.	10-26-1999
		6,235,673	B1	Zoeller et al.	05-22-2001
		6,452,043	B1	Zoeller et al.	08-17-2002

Examiner
Signature

Hailer

Date
Consid red

12/2/05

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.



Please type a plus (+) sign in this box →



Substitute for form 1449

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

Attorney Dock # Number		71535	
First Named Inventor		Tustin et al.	
COMPLETE IF KNOWN			
Application Number		10/650,510	
Filing Date		August 28, 2003	
Group Art Unit		1755	
Sheet	2	of	3
Examiner Name		Hailey	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	T ²
		Office ³	Number ⁴	Kind Code ⁵ (if known)			
PH		EP	0 520 779	A2	Brendley et al.	12-30-1992	
		JP	59-172436		Tominaga et al.	09-29-1984	✓
		UK	1,525,420		Sumitomo Chem Co Ltd	09-20-1978	
		JP	52-30800 ✓		Sumitomo Chem Co Ltd	03-08-1977	✓
		JP	53-50088 ✓		Sumitomo Chem Co Ltd	10-19-1978	✓
PH		JP	62-197308 ✓		Japan Organo Co Ltd	09-01-1978	✓

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T ²
PH		Li et al., "Active Carbon Supported Mo-K Catalysts Used for Alcohol Synthesis" J. Catal., 2001, 199, pp. 155-161 ✗	
		Avidan et al., "Fluidization", Kirk-Othmer Encyclopedia of Chemical Technology, 4 th ed. (1994), Vol. 11, John Wiley and Sons, NY, pp. 138-171 ✗	
		Bansal et al., "Active Carbon Applications", Active Carbon, (1988), Marcel Dekker, NY, pp. 413-441 ✗	
		Tennison, "Phenolic-resin-derived activated carbons", Applied Catalysis A: General 173, 1998, pp. 289-311 ✗	
PH		Kane et al., "Effect of Porosity of Carbogenic Molecular Sieve Catalysts on Ethylbenzene Oxidative Dehydrogenation", Ind. Eng. Chem. Res., 1996, 35, pp. 3319-3331 ✗	

none* no month

Examiner Signature	Hailey	Date Considered	12/2/05
--------------------	--------	-----------------	---------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.



Please type a plus (+) sign in this box →



Substitute for form 1449

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Attorney D ck t Number	71535
First Named Invent r	Tustin et al.
COMPLETE IF KNOWN	
Application Number	10/650,510
Filing Date	August 28, 2003
Group Art Unit	1755
Examiner Name	Hailey

Sheet	3	of	3
Fujimoto et al., "Hydrogen Effects on Nickel-Catalyzed Vapor-Phase Methanol Carbonylation", J. Catal. 1992, 133, pp. 370-382 *			
FUJIMOTO et al., Chem. Let. 1987, 895-898 *			
FOLEY et al. "Access in Nanoporous Materials"; Pinnavaia, T.J., Thorpe, M.F., Eds. (1995), Plenum Press, New York, pp. 39-58 *			
"AMBERSORB® 600", product brochure from Rohm and Haas Company, 1996. *			
Japanese Patent Application No 5-163007, dated 12-16-1991, Tokai Carbon Co. Ltd. ✓			

* no month

Examiner Signature	Hailey	Date Considered	12/2/05
--------------------	--------	-----------------	---------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.